

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number  
WO 2005/039547 A1

(51) International Patent Classification<sup>7</sup>: A61K 31/00, A61P 1/16, C07D 417/14, 213/74

(DE). JONCZYK, Alfred [DE/DE]; Schepp Allee 57, 64295 Darmstadt (DE).

(21) International Application Number:  
PCT/EP2004/010396

(74) Common Representative: MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(22) International Filing Date:  
16 September 2004 (16.09.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data:  
03022048.7 1 October 2003 (01.10.2003) EP

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GOODMAN, Simon [DE/DE]; Friedrich-Ebert Strasse 102a, 64347 Griesheim (DE). SCHUPPAN, Detlef [DE/DE]; Baumzeil 2, 91088 Bubenreuth (DE). PATSENKER, Eleonora [BY/DE]; Vierziggmannstrasse 17/30, 91054 Erlangen (DE). POPOV, Yury [BY/DE]; Woehrstrasse 1, 91054 Erlangen (DE). BAUER, Michael [DE/DE]; Mozartstrasse 54b, 91052 Erlangen (DE). WIESNER, Matthias [DE/DE]; Beethovenring 10, 64342 Seeheim-Jugenheim

(54) Title: ALFAVBETA3 AND ALFAVBETA6 INTEGRIN ANTAGONISTS AS ANTIFIBROTIC AGENTS

(57) Abstract: This invention relates to inhibition of  $\alpha$ v integrins, especially  $\alpha$ v $\beta$ 3 and  $\alpha$ v $\beta$ 6 integrins, by specific antagonists, preferably non-peptidic antagonists, related compounds and compounds with comparable specificity, that downregulate fibrogenesis by inhibiting cell migration and production of pro-fibrogenic molecules (e.g., collagens, TIMP-1) and cytokines (e.g., CTGF) by activated hepatic stellate cells/myofibroblasts, activated epithelia and endothelia. These antagonists alone or in combination with other agents can effectively prevent, mitigate or even reverse development of advanced fibrosis, such as fibrosis/cirrhosis of the liver and fibrosis of other organs, such as lungs, kidneys, intestine, pancreas, skin and arteries.

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